

31652272.m ---LKPLADDPVVVTFYRAPPELLLGA RBY NKAIDI AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT SEQAMODVVF
CDK8.h ---LKPLADDPVVVTFYRAPPELLLGA RBY NKAIDI AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT SEQAMODVVF
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34864751.m ---VPTKYSNEVVTL YRPDVLVLLGS SEY STQIDM SVGCCIFEMASG RRLFPQSTV edelhlfrlltbsqg etwpgvssndefkymnfpkykqpgl LNHAPRDESEGTLLIRKFLQY ESKKRVP ABEAMKHVVF
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22122813.m ---VPTKYSNEVVTL YRPDVLVLLGS SEY STQIDM SVGCCIFEMASG RRLFPQSTV edelhlfrlltbsqg etwpgvssndefkymnfpkykqpgl LNHAPRDESEGTLLIRKFLQY ESKKRVP ABEAMKHVVF
PCTAIRE1.h ---TKTYSNEVVTL YRPDVLVLLGS TDY STQIDM SVGCCIFEMATG RRLFPQSTV VBOLHLFRILLET FTBSTPGHLSNEEFKtynypk yraealSHAPRLDGDGADLLKLLQF EGRNRIS AEDAMKHPF
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23618920.m ---LPTKYSNEVVTL YRPDVLVLLGS TDY STQIDM SVGCCIFEMATG RRLFPQSTV edelhlfrlltbsqg dtwpgilssneefrtynypkyraealSHAPRLDGDGADLLKLLQF EGRNRIS AEDAMKHPF
PCTAIRE2.h ---TKTYSNEVVTL YRPDVLVLLGS SEY LSTQIDM SVGCCIFEMASG RRLFPQSTV VBOLHLFRILLET PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
17538538.w ---TKTYSNEVVTL YRPDVLVLLGS TDY STQIDM SVGCCIFEMATG RRLFPQSTV FTBOLHLFRILLET PRFPRPTFCCKPTIFYPyanrh ykqpeLQNHAPRLDGDGADLLKLLQY ESKKRVS ABEAMKHVVF
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6679233.m ---TKTYSNEVVTL YRPDVLVLLGS TDY STQIDM SVGCCIFEMATG RRLFPQSTV VKEELHLFRILLET FTBSTPGVTAFASEFRtysfpc ylpqgLINHAPRLDGDGADLLKLLQY ESKSRMS ABAALSHVVF
34880197.m ---TKTYSNEVVTL YRPDVLVLLGS TDY STQIDM SVGCCIFEMATG RRLFPQSTV VKEELHLFRILLET FTBSTPGVTAFASEFRtysfpc ylpqgLINHAPRLDGDGADLLKLLQY ESKSRMS ABAALSHVVF
15141276.w ---SRTKYSNEVVTL YRPDVLVLLGS TDY STSLDM SVGCCIFAEITCTG AALFPQSKypgtKoolDMTESTRGT PDBKPKPVEKTLPGYtpeifryr elsfiaivmFPTKLLTGCQELLMGLLQF RPSBRS AASAMHHPF
1cm8_P38g ---MKXQVWTR YRAPBEVILNW MRY TQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
7305253.m ---MTGVVATR YRAPBEVILNW MRY TQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
11120692.m ---QADSEMTGVVTR YRAPBEVILNW MRY TQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
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p38.h ---MTGVVATR YRAPBEVILNW MRY TQTVDI SVGCCIAEMITGK TLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
13994136.m ---MTGVVATR YRAPBEVILSW MRY NQTVDI SVGCCIAEMITGK RLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
9506991.m ---AMTGVVATR YRAPBEVILSW MRY NQTVDI SVGCCIAEMITGK RLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
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11ew_MAPK1 ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
13591928.m ---DEMTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK RLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
38082139.m ---DEMTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK RLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
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18858995.d ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
30089692.d ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
31239933.i ---PTENEMTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK RLKPKGD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
17137550.f ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
17137202.f ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
24649559.f ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK TLKPKGD HLDOLEKIMKVTGT PPAEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
p38b.h ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK ALPQSD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
40789284.m ---MTGVVATR YRAPBEVILNW MRY NQTVDI SVGCCIAEMITGK ALPQSD YLDOLQILKVTGV PGEFVqKNDKAAKSHVQLSPQTPKDF TQFPFRASQADLLEKMLVL DVDKRIT ABAALSHVVF
17541722.w ---MTGVVATR YRAPBEVILNW MRY TQTVDI SVGCCIAELITGK TLKPKGD HLDOLEKIMKVTGT PDBEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
25144910.w ---MTGVVATR YRAPBEVILNW MRY TQTVDI SVGCCIAELITGK TLKPKGD HLDOLEKIMKVTGT PDBEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
25144913.w ---MTGVVATR YRAPBEVILNW MRY TQTVDI SVGCCIAELITGK TLKPKGD HLDOLEKIMKVTGT PDBEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
17541726.w ---DTS-TQTVDI YRAPBEVILNW MRY TQTVDI SVGCCIAELITGK TLKPKGD HLDOLEKIMKVTGT PDBEFVqRLQSDAEAKNYMGLPELEKDDF ASLITNASPLAVNLLKMLVL DAEORVT ABEALSHVVF
25145064.w ---EAFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK GvLFPQSDH IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
31202575.i ---AGTTFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK GvLFPQSDH IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
31202573.i ---AGTTFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK GvLFPQSDH IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
24583285.f ---TFMTGVVATR YRAPBEVILGW MRY TQTVDI SVGCCIAEMITGK GvLFPQSDH IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
8393749.m ---TNFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
8394233.m ---TNFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
JNK2.h ---TNFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
7710060.m ---TSFMTGVVATR YRAPBEVILGW MRY KENVDL SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
JNK1.h ---TSFMTGVVATR YRAPBEVILGW MRY KENVDL SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
6981528.m ---ACTSFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
6678802.m ---TSFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
JNK3.h ---TSFMTGVVATR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
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17542238.w ---TSMRSDYVTR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
17544502.w ---VDMRSDYVTR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
17537335.w ---FPVNTKTVTR YRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
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19113755.y ---MTGVSTRYRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
32413661.y ---MTGVSTRYRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
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6323142.y ---MTGVSTRYRAPBEVILGW MRY KENVDI SVGCCIAEMITGK KILFPGRDY IDQWNVIEGLTTP CEFBKKLQPTVRY VNRPKYAGLTFKLFPPDSLFPAD SEHNKLSQARDLLSKMLVI DPKKRIS VDDALQHPVI
13928856.m ---PHYSHKGLSGLVTR YRAPBEVILGW MRY NKAIDM AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT ABEAMKHVVF
Erk4.h ---YSHKGLSGLVTR YRAPBEVILGW MRY NKAIDM AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT ABEAMKHVVF
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34932377.m ---YSHKGLSGLVTR YRAPBEVILGW MRY NKAIDM AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT ABEAMKHVVF
Erk3.h ---YSHKGLSGLVTR YRAPBEVILGW MRY NKAIDM AIGCFIAELLTSE FIFHORonpyHBDOLDRIFENVMVF PADKDEDKMKPEHStlmdkfrntc ytnclslikymEKHKVKKDSKAFBLLKOKLIM DPDKRIT ABEAMKHVVF
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32564569.w ---TDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
31239139.i ---PEHDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
17977692.f ---TDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
8393331.m ---PEHDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
21489933.m ---HDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
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1pme_ERK2 ---HDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
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28461209.m ---PDRDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV
16758698.m ---PDRDHTGFLTEVATR YRAPBEVILGW MRY KRSIDV SVGCCIAEMLSNR RILFPGRDY YLDOLNHLGILGS PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV PSoBdLnCtINMKARNYLSLSPKTKVAV

19114921.y ---GGNPGFMTVEVATR YRAPBIMLSF REY SKAIDL SGCILAEMLSRQ FLPPGKD YHSDLLILHLGDT PTMDPESRHK SARARKYIKSLPFPKVSF KAFPPQASDADLLEKLLAF NPKRIT ABEALKHPVY
32421451.y ---EDNSGFMTVEVATR YRAPBIMLTF KBY TRAIDV SGCILAEMLSRQ FLPPGKD YHSDLLILDLVLT PTMDKYG HKRRRARSYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
39961816.y ---EDNSGFMTVEVATR YRAPBIMLTF KBY TRAIDV SGCILAEMLSRQ FLPPGKD YHSDLLILDLVLT PTMDKYG HKRRRARSYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
6321817.y DSRETLVGFMTVEVATR YRAPBIMLTF GBY TTAMDI SGCILAEMLSRQ FLPPGKD YHSDLLILDLVLT PTMDKYG HKRRRARSYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
6319455.y SEPTGQQSGMTVEVATR YRAPBIMLSF AKY SRAMDV SGCILAEMLSRQ FLPPGKD YHSDLLILDLVLT PTMDKYG HKRRRARSYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
23508338.z phmknkkcltshvVTR YRAPBIMLQ ENY SNADIT SGCIFAEILLNRIF FLPPGKSNR DOLNIFNVTPT PPSBDLKCKTQEVIRYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
32189718.z ---SOLSRGVVTO YRAPBIMLID AAY SNADIV SGCIFAEILLNRIF FLPPGKSNR DOLNIFNVTPT PPSBDLKCKTQEVIRYIKSLPFPKVPF RILFPNNDALDLDLLEKLLAF NPKRIT VBEALKHPVY
27545428.m FPEGPGQALTEVATR YRAPBIMLSG RMY TPQVDM SGCILFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
29244575.m FPEGPGQALTEVATR YRAPBIMLSG RMY TPQVDM SGCILFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
Erk7.h ---PEGEDQAVTEVATR YRAPBIMLSG HRV TQGVDM SGCILFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
25143964.w YPEGQKMDTEVATR YRAPBIMLAA KRY TQGVDM SGCILAEMLIR ALPPGSS TINGEIRMNITAK PSRADIASGSHYAAVLEKMPQRPKPL DLITTSQTAALDMVORLILAF APKRLT VBEALQHPVY
25143969.w YPEGQKMDTEVATR YRAPBIMLAA KRY TQGVDM SGCILAEMLIR ALPPGSS TINGEIRMNITAK PSRADIASGSHYAAVLEKMPQRPKPL DLITTSQTAALDMVORLILAF APKRLT VBEALQHPVY
24640802.f YDDLQDQMLTDVATR YRAPBIMVLS RMY TQGVDM SGCILFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
23509516.z ---VNEKNVFIITDVATR YRAPBIMLGS TBY TSDVDM SGCIMFELLCCK FLPTGNS TMNOLKTIQVICK PNKQDTEHRSPFAEKITISSFVDLKKKLNKDIC FgsvLLSrNIQRDRYSLDEMKNCCDDESLVRLALLV NPHRLT ABEAIRHPVY
34870823.m TSPAHEQVMTVEVATR YRAPBIMLSL HEY TQAIDL SGCIFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
6754634.m ---PAEQHVFMTVEVATR YRAPBIMLSL HEY TQAIDL SGCIFEMILRR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
25141338.w rddANVGHTQVSTR YRAPBIMFSM VBY DPKVDL SGCIFAEMLLR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
32563948.w rddANVGHTQVSTR YRAPBIMFSM VBY DPKVDL SGCIFAEMLLR QLPFGKST fhcllelllellpsame elqglgsdysailnlgsrprgtldall PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
32565867.w SPNAHISGDSQVSTL YRAPBIMFSM GBY DPKVDL SGCILAEMLIR ALPPGSS TINGEIRMNITAK PSRADIASGSHYAAVLEKMPQRPKPL DLITTSQTAALDMVORLILAF APKRLT VBEALQHPVY
25146947.w hdDEHHCYMTQVATR YRAPBIMLFLV PEH STAVDM AVGCIFEMVIRN EILPGRS VOOQTKMLLMLGQ PPOEVTINRWCDRTRKLIQDFGRKADAEWDDIMFCARKG DDQIVRGNODITDVKQLEFOY DAKKRIN TQDALDHPVY
31214925.i ---PDSKMBTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660555.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660559.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660563.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660575.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660567.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
24660571.f QAKHMTQVSTR YRAPBIMLGA RBY SSAVDV SGCIFBELLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
17555504.w DRLNMTQVSTR YRAPBIMLGA RRY TQAVDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
25152933.w DRLNMTQVSTR YRAPBIMLGA RRY TQAVDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
34878826.m ESREHMTQVSTR YRAPBIMLGS RBY SNAIDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
NLK.h ---ESREHMTQVSTR YRAPBIMLGS RBY SNAIDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
40254628.m ---ESREHMTQVSTR YRAPBIMLGS RBY SNAIDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
34872856.m ---LDESREHMTQVSTR YRAPBIMLGS RBY SNAIDI SGCIFAEILLGR ILFQAQNVVQLELLIEllpsle PPTDPEALDLDLLEKLLAF ADPKRIS ABEALQHPVY
19112081.y ---PEENPGFMTVEVATR YRAPBIMLSF SNY HKGIDV SGCILAELLGCT FLPPGKRD FVHDLNLIHLGDT PDBETLSHSSSRAQYVRSLEPKQRPFP ETNPFKRNADLDDLLEKLLAF DPNRRIS VDDALEHPVY
32420641.y PEENAGYMTVEVATR YRAPBIMLSF QNY TKAIDV SGCILAELLGCR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
39940594.y PEENAGYMTVEVATR YRAPBIMLSF QNY TKAIDV SGCILAELLGCR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
6321819.y PEENAGYMTVEVATR YRAPBIMLSF QNY TKAIDV SGCILAELLGCR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
6322688.y HKVNDGQKVVYSTR YRAPBIMLNY QBY TRAVDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
6325311.y KCHSTVQPHLTVVSTR YRAPBIMLSN GBY TKAIDV SGCILAELLGCR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15224359.p DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
83540506.q DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15231196.p DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK067339.q DMTEVSTR YRAPBIMLNS TDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15231753.p NMTVEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
30690210.p DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15234152.p DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
18378855.p DMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
48450021.q DLMTVEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15223026.p EIMTEVSTR YRAPBIMLNS SDY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK071376.q GQFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
47090017.q GQFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15224120.p GQFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15234397.p GQFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15218451.p GQFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
18406388.p SNKQGFTEVSTR YRAPBIMLNS DNY GTSIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
30677926.p SPSAVF TDVATR YRAPBIMLNS Y SNY TKAIDV SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
18401750.p APSAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK066531.q APSAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
73940003.q SPSTIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15220976.p APTAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
30685711.p APTAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
18410420.p NDAPTALF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK070644.q TPSAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK069424.q TPSAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15239634.p TPTAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK068981.q TPTAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK063944.q TPTAIF TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK066968.q APTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15231915.p TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
15220806.p NDPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK065930.q TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
29870014.q TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK099472.q TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK072082.q TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
18406088.p TPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
30684655.p SSPPTVEVSTR YRAPBIMLNS YVY TSKVDM AMGAIMAELLSL RFLPPGAS BADEIKTKCSVITG PTEBTLEGLNANTInyqfcp lpgvllSSMPSASDANLIERLGS DPNRRIT ABEVLOHPVY
18415242.p SSPPTVEVSTR YRAPBIMLNS YVY TSKVDM AMGAIMAELLSL RFLPPGAS BADEIKTKCSVITG PTEBTLEGLNANTInyqfcp lpgvllSSMPSASDANLIERLGS DPNRRIT ABEVLOHPVY
18422554.p IDSSPPTVEVSTR YRAPBIMLNS YVY TSKVDM AMGAIMAELLSL RFLPPGAS BADEIKTKCSVITG PTEBTLEGLNANTInyqfcp fgsihlSSMPSASDANLIERLGS DPNRRIT ABEVLOHPVY
AK069526.q PPTTIV TDVATR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY
AK100056.q VFPYTDVSTR YRAPBIMLNS SKY TKAIDI SGCIFAEILLGR FLPPGKRD YVDOLNQLHLGDT PNEBTLRSRSGSPRAYVNRNLPMPKKSF QCFPPQANNDALDLDLLEKLLAF DPNRRIS VBEALQHPVY

30682312.p ---PBYTEVSTR YRAPVLLG SLY TFAVDM AVCAILAEALVAFLELPPGSS EIDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15235551.p ---PBYTEVSTR YRAPVLLG SLY TFAVDM AVCAILAEALVAFLELPPGSS EIDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK066947.q ---PBYTEVSTR YRAPVLLG SLY TFAVDM AVCAILAEALVAFLELPPGSS EIDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

31206913.i ---QRPPYAVSTR YRAPVLLG GYM GKIDVM AVGCVFEMITL KSLFEGENE fsemlachseilgssps avlerfrpwnvknkfkagrqatellwHLPLMNVFQMDLKKMAY CDPDRR

MOK.h ---QPTEVISTR YRAPVLLG GFM TKKMDL SAGCVFETASLQ FLEPPGWN ELDOTSKTEHDVIGT PAOKILTKFKQSRAMNfdfpf kkgssLPLTNNLSPQCSLLHAMVAY DPDERIA AHQALQHPVF

34867827.m ---QPTEVISTR YRAPVLLG GFM TKKMDL SAGCVFETASLQ FLEPPGWN ELDOTSKTEHDVIGT PAOKILTKFKQSRAMNfdfpf kkgssLPLTNNLSPQCSLLHAMVAY DPDERIA AHQALQHPVF

7106391.m ---QPTEVISTR YRAPVLLG GFM TKKMDL SAGCVFETASLQ FLEPPGWN ELDOTSKTEHDVIGT PAOKILTKFKQSRAMNfdfpf kkgssLPLTNNLSPQCSLLHAMVAY DPDERIA AHQALQHPVF

32414915.y ---LPYTVVSTR YRAPVLLG GBY SAPDVI AIGCMVETATLQ FLEPPGWN EVDQVNVCEIMGSS PGIKNSKAGARVGGVregtrlagkly fefpkmapshmdTILQTPWPASIAHVFVWCLM DPDKRET SHQALQHPVF

63223255.p ---NKNPTEVSTR YRAPVLLG GYM SKPLDI AGCCVAVEVTFALFEPGAN EIDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

19114519.y ---SRPPTVSTR YRAPVLLG SYM SPFVDIYAGCVAEVEITLQ FLEPPGWN EVDQVNVCEIMGSS PGIKNSKAGARVGGVregtrlagkly fefpkmapshmdTILQTPWPASIAHVFVWCLM DPDKRET SHQALQHPVF

19112373.y ---SVSSDPLTEVSTR YRAPVLLG GSY NBSVDLRYVACVIFEMITLQ FLEPPGWN EVDQVNVCEIMGSS PGIKNSKAGARVGGVregtrlagkly fefpkmapshmdTILQTPWPASIAHVFVWCLM DPDKRET ADEALNHPFF

24583171.f ---SRPPTVSTR YRAPVLLG TNY GSTIDL AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

17508383.w ---PBYTVVSTR YRAPVLLG TSY NSPIDM AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

MAK.h ---SQPPTVSTR YRAPVLLG SVY SSSIDV AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

6678786.m ---SQPPTVSTR YRAPVLLG SVY SSSIDV AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

20302607.m ---SRPPTVSTR YRAPVLLG TNY SSSIDV AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

31235604.i ---SRPPTVSTR YRAPVLLG TRV GSTIDL AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

6981176.m ---SQPPTVSTR YRAPVLLG SVY SSSIDV AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

9910288.m ---SRPPTVSTR YRAPVLLG TNY SSSIDV AVGCIMAEVTLR FLEPPGSS EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

17507501.w ---KVVKEPTLVEYTEHILEY KEN RSSMDI AAACVLEAMFGSS HLFSSONS NLOTHAHRLLGN HTKRTpBMDKRLMOSIEELPVGEEKT PNBENNPVGSKPLLYK rtiRET

83563413.q ---RDGSETNHVTIL YRAPVLLG TNY ABAVDI SVGCFAEELLG KFLPQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15238114.p ---HTGNLTNRVITL YRAPVLLG TKY GAIDM SVGCFAEELLG KFLPQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15238314.p ---HTGNLTNRVITL YRAPVLLG TKY GAIDM SVGCFAEELLG KFLPQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK073808.q ---HTGNLTNRVITL YRAPVLLG TKY GAIDM SVGCFAEELLG KFLPQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK103469.q ---HNGNTNRVITL YRAPVLLG TRV GAIDM SVGCFAEELLG KFLPQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

83511868.q ---RRRPTVSTR YRAPVLLG TDY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15241289.p ---KQKQMTSRVITL YRAPVLLG TDY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK064909.q ---HKRPMTSRVITL YRAPVLLG TDY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

61270024.q ---HKRPMTSRVITL YRAPVLLG TDY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15229881.p ---KROBMTNRVITL YRAPVLLG VBY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15221868.p ---PNHKMTSRVITL YRAPVLLG TDY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15241455.p ---NCVPLTSRVITL YRAPVLLG CHY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15218897.p ---KSVPLTSRVITL YRAPVLLG SHY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15235867.p ---NSVPLTSRVITL YRAPVLLG SHY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

83593689.q ---SAAAMTSRVITL YRAPVLLG TAY DASVDD SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15221833.p ---GNKQPLTSRVITL YRAPVLLG TEY GASVDD SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15221219.p ---SSGKHKPLTSRVITL YRAPVLLG TDY GASVDD SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

22330784.p ---NKNOLTSRVITL YRAPVLLG TSY GVSVDL SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

22327464.p ---NKNOLTSRVITL YRAPVLLG TSY GVSVDL SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK067238.q ---KNHPLTSRVITL YRAPVLLG THY DAVDD SAGCVFAEMFAR KFLVQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

47490017.q ---QRHPLTSRVITL YRAPVLLG TNY GVAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15219169.p ---PROQPLTSRVITL YRAPVLLG TRV GAAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK072696.q ---KQOPLTSRVITL YRAPVLLG TNY GAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15217565.p ---KQOPLTSRVITL YRAPVLLG TDY GAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15223647.p ---GORKQPLTSRVITL YRAPVLLG TDY GAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

30681286.p ---QDQPLTSRVITL YRAPVLLG TEY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15217643.p ---PDQDQPLTSRVITL YRAPVLLG TEY GAIDM SVGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

15217521.p ---GDCDLQPLTSRVITL YRAPVLLG TEY GAIDM SVGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

AK068916.q ---NQOPLTSRVITL YRAPVLLG TKY GVSDDM SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

83590929.q ---NQOPLTSRVITL YRAPVLLG TEY GAVDDM SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

83513309.q ---RQOPLTSRVITL YRAPVLLG TDY GAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

46580004.q ---NKEQOPLTSRVITL YRAPVLLG THY GVGDDL SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

6325419.y ---pggagsgaktsVGVVTR YRAPVLLG KQY TTAIDM SVGCVFAEMFAR KFLVQGRT DIDQHVLEKLLGT PTOATMNPVWVLEKPGCGVrsfp PSETPMPGWRKLPQCAFamgpk

19112408.y ---gLPFPNRRKTSVGVVTR YRAPVLLG RRY TTAIDM SVGCVFAEMFAR KFLVQGRS DLHOLEVYVLDIGT PTEBTPMPGWRKLPQCAFamgpk

32414789.y ---kgsGEGKRKTSVIVVTR YRAPVLLG KAN TTAIDM SVGCVFEMITL KSLFEGENE DSHOLEVYVLDIGT PTEBTPMPGWRKLPQCAFamgpk

39978087.y ---rgGGEGARNKTSIVVTR YRAPVLLG KAN TTAIDM SVGCVFEMITL KSLFEGENE DSHOLEVYVLDIGT PTEBTPMPGWRKLPQCAFamgpk

17507941.w ---NGAGPRPLTNRVITL YRAPVLLG RQY GKRIDV SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

17507939.w ---NGAGPRPLTNRVITL YRAPVLLG RQY GKRIDV SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

24658274.f ---KNESKNRPLTNRVITL YRAPVLLG RNY GPVDDM SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

31211365.i ---VSKNGLNPLTNRVITL YRAPVLLG RNY GPVDDM SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

CDK9.h ---KNSQNRPLTNRVITL YRAPVLLG RNY GPVDDM SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

34853621.m ---KNSQNRPLTNRVITL YRAPVLLG RNY GPVDDM SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

18699988.m ---KNSQNRPLTNRVITL YRAPVLLG RNY GPVDDM SAGCIMAEMFAR KFLVQGRT EBOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

19074896.y ---TCANTPQVITL YRAPVLLG SBY TFAVDD SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

23510137.z ---NASMTNRVITL YRAPVLLG ENY MASVDM SAGCVLAEELLG KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

16805256.z ---FLKABTKDSNITL YRAPVLLG TLY NGSVDI SVGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

6322710.y ---SRADTNRVITL YRAPVLLG TNY GNSVDM SAGCVLAEELLG KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

32412982.y ---HOLDTNRVITL YRAPVLLG TOY GAVDDI SAGCVLAEELLG KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

39971951.y ---HOLDTNRVITL YRAPVLLG TRV GAVDDI SAGCVLAEELLG KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

19115305.y ---KSNANTNRVITL YRAPVLLG TAY DTAIDM SVGCVFAEMFAR KFLVQGRD ETSOLEVYVLDIGT PTOATMNPVWVLEKPGCGVrsfp PSETPMPGWRKLPQCAFamgpk

19173504.y ---MTNTRVITL YRAPVLLG TSY SKYDVA SVGCVFAEMFAR KFLVQGRD ETSOLEVYVLDIGT PTOATMNPVWVLEKPGCGVrsfp PSETPMPGWRKLPQCAFamgpk

25143958.w ---KESRLTNRVITL YRAPVLLG ERY GHAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

CRK7.h ---ESRPTVSTR YRAPVLLG ERY TTAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

30794424.m ---SEESRPVTKVITL YRAPVLLG ERY TTAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

20302121.m ---SEESRPVTKVITL YRAPVLLG ERY TTAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

CHED.h ---ESRPTVSTR YRAPVLLG ERY TTAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

34876196.m ---ESRPTVSTR YRAPVLLG ERY TTAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

31228322.i ---ADNRERPTVTKVITL YRAPVLLG ERY GHAIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

24668137.f ---DRERPTVTKVITL YRAPVLLG ERY GHSIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

24668141.f ---DRERPTVTKVITL YRAPVLLG ERY GHSIDV SAGCILAELVAC KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

19074929.y ---MTNTRVITL YRAPVLLG ERY DESIDM SVGCVFAEMFAR KFLPQGRT EVDOLKIKCVLQK PDWITPPEAKSISIRIMsishte fpgtqHALLPNAABEALDLINRLOSV DPDKRET ADEALNHPFF

32412888.y VYTYISRFYRSPVILLG MLYGLPIDM SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP EKHLLEKSRKRLFF DSSGKFRLTvsSKGRRRRPSSK LQCVLKCDDPFLDFARORV DDDRMRK EBEAVRHFPI
39974187.y VYTYISRFYRSPVILLG MLYGMPIDM SLGCILAEFLTC VFLPFGENE DDMGKFRLTvsSKGRRRRPSSK LQCVLKCDDPFLDFARORV DDDRMRK EBEAIRHFPI
19113886.y VYTYISRFYRSPVILLG MLYGMPIDV SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP EKHLLEKSCRKRLFF DSSGKFRPFvsSKGRRRRPSSK LQCVLKCDDPFLDFARORV DDDRMRK EBEAQAHFPI
17540522.w VYTYISRFYRSPVILLG MLYGMPIDM SLGCILAEFLTC VFLPFGENE NOOLALITIELLM PPKSLLETAKRARFPI TSKGYPRYCVTTLSGDSVVLNGGRRRRGKLRGPPESREWNA LKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
DYRK2.h VYTYISRFYRSPVILLG ARYGMPIDM SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP PPKSLLETAKRARFPI TSKGYPRYCVTTLSGDSVVLNGGRRRRGKLRGPPESREWNA LKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
34865393.m YEHQRVYTYISRFYRSPVILLG ARYGMPIDM SLGCILAEFLTC VFLPFGENE GGLACIEMIEMPSQK LASKRANKV CVTvtltdsgsvvlnggrrrrgkrgppesrewNALKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
DYRK3.h VYTYISRFYRSPVILLG ARYSTPIDI SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP PPKSLLETAKRARFPI NSKGLIPRYCvSTTQADQRRVVLNGGRRRRGKLRGPPESREWNA LKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
21704000.m VYTYISRFYRSPVILLG CRYSTPIDI SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP PPKSLLETAKRARFPI NSKGLIPRYCvSTTQADQRRVVLNGGRRRRGKLRGPPESREWNA LKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
34879739.m VYTYISRFYRSPVILLG CRYSTPIDI SLGCILAEFLTC VFLPFGENE QBOAACIMEVFP PPKSLLETAKRARFPI NSKGLIPRYCvSTTQADQRRVVLNGGRRRRGKLRGPPESREWNA LKGCDDPFLDFARORV DDDRMRK EBEAQAHFPI
31222829.i ENERYTYISRFYRSPVILLG AKYDMAIDM SLGCIVAEFLTC VFLPFGENE YDGMACHIELMPPKILHNWPSR YCSLsfredgseeigqyskrygyrpagptrTAKVILNYQDDELDFVYKCRORV DDDRMRK EBEALHNHFPI
AK063502.q LSLVYISRFYRSPVILLG LPYDKRIDI SLGCILAEFLTC VFLPFGENE QILLRMIGTICPI DMEMLAHSGDTQKVFY EDYDLFhKNEETDQLEVLPIEKISRRRLRQCHDQKFKVFLSILQIQI NPKRRT EBEALQHFPI
46590007.q CLVYSRFRYRSPVILLG LPYDKRIDI SLGCILAEFLTC VFLPFGENE AMILARIVAVLQV ETEMLEKQOETHKRF TKEYDYHLNesNEIEYIITEESLEEQLOVSDLEFLDFVRLIDPI NPKRRT EBEALNHFPI
15225633.p CLVYSRFRYRSPVILLG LPYDKKIDV SLGCILAEFLTC VFLPFGENE asllarivemivgsfdnemltkgr dshkyftknrmlyernqesnrleylipkrtsLRHRLPMGDQGFDFVAHLEIT NPKRRES EBEALNHFPI
15219476.p ETDHLCVYSRFRYRSPVILLG LPYDKKIDV SLGCILAEFLTC VFLPFGENE nlelllvifgndspasllarivemivgsfdn emltkgrdshkyftknrmlyernqesnrleylipkrtsLRHRLPMGDQGFDFVAHLEIT NPKRRES EBEALNHFPI
15229515.p LCVYSRFRYRSPVILLG LPYDKKIDI SLGCILAEFLTC VFLPFGENE ATLARVITIGS IDQEMLRGDTICVF TKNHLLYERNQESNNLEYLIPKSSLRRLPMGDQGFDFVAHLEIT DPKKRES EBEALNHFPI
23509630.z YESDKLEWYISRFYRSPVILLG QNYDKRIDI SLGCILAEFLTC VFLPFGENE HLYSvysygfpyfminncrphinknntst prkntnneiydyvcpndnlKNNQISDLFLVFLSILQIQI DPKSKCN EBEALNHFPI
32416200.y VYTYISRFYRSPVILLG LPYSSAIDM SLGCIVAEFLTC VFLPFGENE YNCSRVLEMLGNP PKQAGIEPEKRODERGKTKSMEQYSREHGTEKQPSKRYVCPNLTPEILIKTyPMRKNKQSEIDREMNRLAFLDFVRLIDPI NPKRRES EBEALNHFPI
6753698.m VYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMSRIVEVLEGI PPAAMLEQAPKARKVF ERLPGGGWTLRRKELRKLDFVRLIDPI EPAARIS EBEALNHFPI
DYRK1B.h VYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMSRIVEVLEGI PPAAMLDQAPKARKVFPLGGGWTLRRKELRKLDFVRLIDPI EPAARIS EBEALNHFPI
34855409.m VYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMSRIVEVLEGI PPAAMLEQAPKARKVFPLGGGWTLRRKELRKLDFVRLIDPI EPAARIS EBEALNHFPI
17737359.f VYTYISRFYRSPVILLG IOYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEM PPKMLLDQAHKTRKRFVIVADGSYVLKKNNGRKYKPPGSRKLLHDILGvEtgGPGRRRLDEPGHSVSDYKFKDLIRMLDF DPKRVRT EBEALNHFPI
24642880.f VYTYISRFYRSPVILLG IOYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEM PPKMLLDQAHKTRKRFVIVADGSYVLKKNNGRKYKPPGSRKLLHDILGvEtgGPGRRRLDEPGHSVSDYKFKDLIRMLDF DPKRVRT EBEALNHFPI
24642876.f VYTYISRFYRSPVILLG IOYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEM PPKMLLDQAHKTRKRFVIVADGSYVLKKNNGRKYKPPGSRKLLHDILGvEtgGPGRRRLDEPGHSVSDYKFKDLIRMLDF DPKRVRT EBEALNHFPI
31241009.i QRIVYTYISRFYRSPVILLG IPYDLAIDM SLGCILVEMETG VFLPFGENE adqhrivevlmmpkhihlgahktrk tngrykykppgrklhdilgvetgpggrrrghgEPHSVSDYKFKDLIRMLDY DPKRVRT EBEALNHFPI
DYRKA1.h VYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEGI PPAHLLDQAPKARKVFPLDGTWNLKIKDKGREYKPPGTRKLLNLDGvEtgGPGRRRAGESGHVADYKFKDLIRMLDY DPKRVRT EBEALNHFPI
24418935.m VYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEGI PPAHLLDQAPKARKVFPLDGTWNLKIKDKGREYKPPGTRKLLNLDGvEtgGPGRRRAGESGHVADYKFKDLIRMLDY DPKRVRT EBEALNHFPI
6978787.m QRIVYTYISRFYRSPVILLG MPYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEGI PPKMLLDQAHKTRKRFVIVADGSYVLKKNNGRKYKPPGSRKLLHDILGvEtgGPGRRRAGESGHVADYKFKDLIRMLDY DPKRVRT EBEALNHFPI
25152628.w VYTYISRFYRSPVILLG IAYDLAIDM SLGCILVEMETG VFLPFGENE VDOMNKIVEVLEM PPKMLLDQAHKTRKRFVIVADGSYVLKKNNGRKYKPPGSRKLLHDILGvEtgGPGRRRAGESGHVADYKFKDLIRMLDY DPKRVRT EBEALNHFPI
AK100925.q VYTYISRFYRSPVILLG YPYNTAIDM SLGCIVAEFLTC VFLPFGASE YDVLQRVMVILGQ PDDLLREAKNTRGRFVKMLTeeEIEETRESKKPKVGRWYFvORLDKLITyYVKNLNGEN ETEKTDRLALVDFLRGLVFE DPKRRES EBEALNHFPI
AK066639.q VYTYISRFYRSPVILLG YPYNTAIDM SLGCIVAEFLTC VFLPFGASE YDVLQRVMVILGQ PDDLLREAKNTRGRFVKMLTeeEIEETRESKKPKVGRWYFvORLDKLITyYVKNLNGEN ETEKTDRLALVDFLRGLVFE DPKRRES EBEALNHFPI
15239248.p VYTYISRFYRSPVILLG YQYNTAIDM SLGCIVAEFLTC VFLPFGASE FDLRRMIEILGQ PPDVYLKEAKNTRGRFVKMLTeeEIEETRESKKPKVGRWYFvORLDKLITyYVKNLNGEN ETEKTDRLALVDFLRGLVFE DPKRRES EBEALNHFPI
19141472.y VYTYISRFYRSPVILLG LHYNCQIDM SLGCILAEFLTC VFLPFGENSE YNOLGRVDMILN PPTMLMEKNSKRYVBLKSEIeQFSIENKNTQPGKQVGEKTLDAIVLYRKRKTKPFLTEEHEERLCEFDHFKQFDEL NPKRRT EBEALNHFPI
6322320.y VYTYISRFYRSPVILLG LHYNTSIDM SLGCIVAEFLTC VFLPFGASE YNOLGRVDMILN PPTMIDMCKNSKRYVBLKSEIeQFSIENKNTQPGKQVGEKTLDAIVLYRKRKTKPFLTEEHEERLCEFDHFKQFDEL NPKRRT EBEALNHFPI
13929114.m KIVYISRFYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGALE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
HIPK3.h VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGALE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
6754200.m VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGALE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
34855173.m VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
HIPK2.h VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
6754198.m VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
34860081.m YYRqrlntnlcvqcmkfltrkAPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
6754196.m VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
HIPK1.h VCSYVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
31199043.i KIVCNVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
24654777.f VCNVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
24654780.f VCNVLSRYRSPVILLG LFPCEAIDM SLGCIVAEFLTC VFLPFGASE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
25146830.w VNVLSRYRSPVILLG LFPNRSIDM SLGCIVAEFLTC VFLPFGENSE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
25146827.w VNVLSRYRSPVILLG LFPNRSIDM SLGCIVAEFLTC VFLPFGENSE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
25146832.w VNVLSRYRSPVILLG LFPNRSIDM SLGCIVAEFLTC VFLPFGENSE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
HIPK4.h VKEPYSRFYRSPVILLG LFPCEKVDV SLGCVMAEFLTC VFLPFGNNE YDOVRYICETQGL PPHLLHAARKAHFEPADYLAETKVRPLERRKYmLkSLDQIETVngggavnrlsfPDREALAHADLSMVELIKRMLTI ESHERIS EBEALNHFPI
38086162.m EVRYVKEPYSRFYRSPVILLG LFPCEKVDV SLGCVMAEFLTC VFLPFGNNE YDQRYISQIQGLGNVGNKSRFRFFCETDMSHWSRLKTLLEEHEAETGMKSKeARKYIFNCLDDMAQVMmstdLEGTDMLEAKDRREVIDLLKMLTI DADRIT EBEALNHFPI
17506739.w EBAFVLSRFYRSPVILLG VREDYAIDL SVAVILVEVETG KIMPGRTN NIMKRLFDVKKK YNKLVRKSOFKDFHF DVNCLNLYGeVDKTERNKIVLANLKPTRDLESelLiAQQRSLDQMDQIQAFRITLDDQMLHL DPKRRT EBEALNHFPI
19922978.f ITFVLSRFYRSPVILLG IFYDYGDDI SVAGCIVELMTG KILPSEKSN NIMKRFMDVKK IENRILRKGQFREQHF DQSCNLYHeTDKLEREIVVMVVKPSRLQQLLADQNLDDQRRKVSQKLDLLENMFL DPAKRIS EBEALNHFPI
31210789.i SITDNEITFVLSRFYRSPVILLG LTYDYGDDI SVAGCIVELMTG KILPSEKSN nomkccFndlkqkpnkirkqfkdq idkiterkevsvvsmikprrdqeliagqnlPDDQIRKVSQKLDLLENMFL DPAKRIS EBEALNHFPI
PRP4.h ITFVLSRFYRSPVILLG KSYDYGDDI SVAGCIVELMTG KILPSEKTN NIMKRLAMDKKK MFNKMRKGVFKDQHF DQNLNFMFYTeVDKTEREKVVMSTINPDKLLAdLiAQQRSLDQMDQIQAFRITLDDQMLHL DPAKRIS EBEALNHFPI
34875309.m ITFVLSRFYRSPVILLG KSYDYGDDI SVAGCIVELMTG KILPSEKTN NIMKRLAMDKKK MFNKMRKGVFKDQHF DQNLNFMFYTeVDKTEREKVVMSTINPDKLLAdLiAQQRSLDQMDQIQAFRITLDDQMLHL DPAKRIS EBEALNHFPI
23956074.m DNDITFVLSRFYRSPVILLG KSYDYGDDI SVAGCIVELMTG KILPSEKTN nmlkclamdkkcmknmkirkvfkdd evdkvterekvsvvsmintpdklladliagqnlPEDQRKVVQLKDLDDQMLHL DPAKRIS EBEALNHFPI
9020011.q ITFVLSRFYRSPVILLG LTYDHPIDM SVGCIVELMTG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
57200019.q VTFVLSRFYRSPVILLG LTYDHPIDI SVGCIVELMTG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
22331335.p ETVFVLSRFYRSPVILLG LTYDHPIDI SVGCIVELMTG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
15231853.p QVTFVLSRFYRSPVILLG LTYDHPIDI SVGCIVELMTG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
22329536.p ETVFVLSRFYRSPVILLG LTYDHPIDI SVGCIVELMTG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
19075516.y ITFVLSRFYRSPVILLG FPFVSHPIDI SVGCIVELMTG KILPSEKTN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
23508347.z ITFVLSRFYRSPVILLG FRMDAQIDV SAAATVBEATG KILPSEKSN NDMRLRMDKGF PPKMLRKGAFIMQH DQNLNFMARKDDPITKTVNRLNLIKPKGVGSAISCCPGDDPKMISSEFKDLLEKIFV DPKRRT EBEALNHFPI
33944805.z QBLTANVVTLYRPAELHFSL TDZSRKMDM SLGCIMAEFLTC VFLPFGASE ESRHFVAVICDVIET PTEBTEGTYRMEHVTRlmrskrynr entlqqifsrnshSGAATPPSGMDLLNRIIRV NPIDRLS EBEALNHFPI